



ARCTIC CONTINENTAL TERRACE WEDGE
MOSTLY NEOGENE

● Sands, gravels at surface

RIFT-RELATED BASINS

JURASSIC–EOCENE



▲ CRETACEOUS, TERTIARY
IGNEOUS ROCKS

SVERDRUP BASIN

CARBONIFEROUS–EOCENE



FRANKLINIAN MOBILE BELT

NEOPROTEROZOIC–DEVONIAN



Folded belts in volcanic, deep-water strata



Folded belts in deep-water strata



Thrust-fold belts in foreland and platform strata

ARCTIC PLATFORM

CAMBRIAN–DEVONIAN



PEARYA TERRANE

MESOPROTEROZOIC–SILURIAN



CANADIAN SHIELD

MESOPROTEROZOIC



Basins

ARCHEAN–PALEOPROTEROZOIC



Metamorphic, plutonic "basement"

Figure 1. Simplified geology of the Arctic Islands and location of map areas 2141A and 2142A. Pattern fills are reserved for some offshore units.